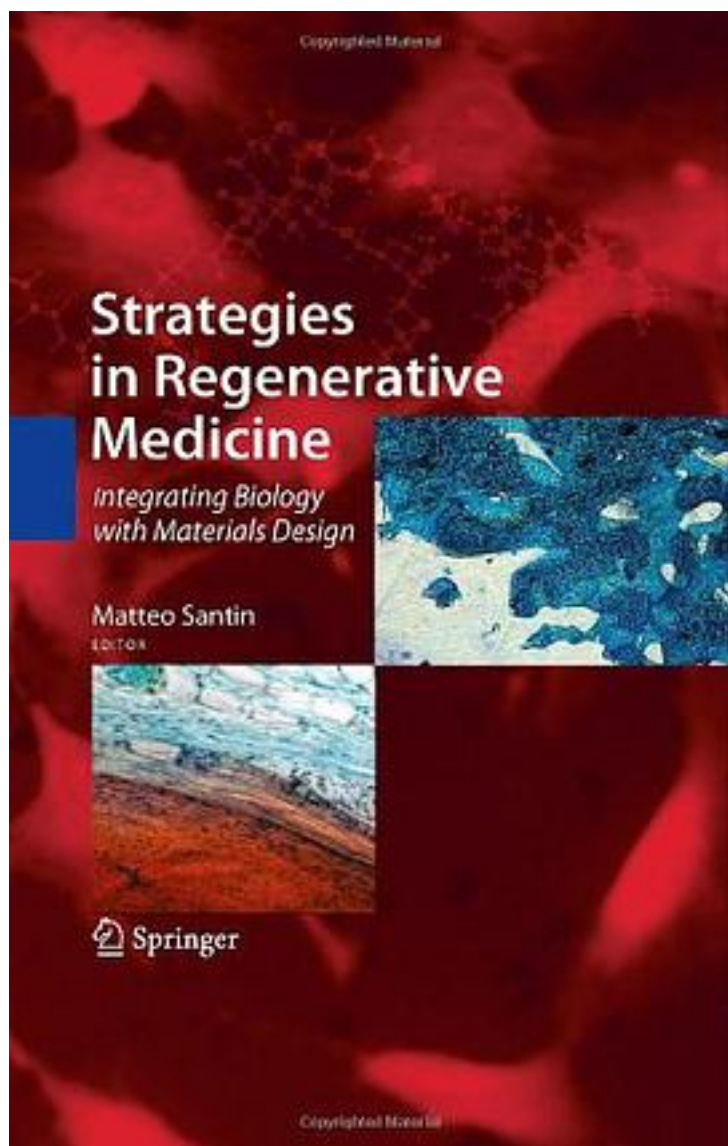


# Strategies in Regenerative Medicine



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This authoritative book offers a detailed overview of present and future tissue engineering approaches and their contribution to regenerative medicine. It combines comprehensive reviews of the biology and materials science underlying the development and regeneration of different types of tissues with descriptions of current and future strategies in regenerative medicine to meet clinical needs. Each chapter includes typical examples of methodologies and technical solutions as the basis for the most recent scientific findings and biomedical products, tables as mini-databases summarizing the most recent findings, and links to specific websites in the main body of the text to complement a traditional reference list. Strategies in Regenerative Medicine: Integrating Biology with Materials Design covers topics from basic biology and materials science to the link between biological processes in tissue regeneration and biomedical device/tissue engineering product performance. Key Features: (1) Provides a comprehensive overview of regenerative medicine in the framework of clinical and industrial needs; (2) Describes the use of biomaterials and tissue engineering constructs in clinical applications; (3) Presents the work of international experts according to consistent, well-defined editorial guidelines; (4) Reviews the underlying biology of tissue regeneration; (5) Includes student exercises, references to relevant websites, and perspectives on future research needs, making the book ideal for use as a teaching text.

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